

PA-IDC

Pre Ed. x

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>09758775</u>	Prepared by <u>BMG</u>	Tracking Number <u>05977478</u>	
Examiner-GAU <u>0975 -</u>	Date <u>7-21-04</u>	Week Date <u>7/12/04</u>	
<u>AKK speedi - 2871</u>	No. of queries <u>1 CA</u>	<u>1FUL74</u>	

JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

MESSAGE

Improper Dependency:
only #
① Claims 1, 2, 4, 6, 7 depend on claim 10.
② Newly numbered claim 8 depends on claim 11.
③ Newly numbered claim 9 depends on claim 12.
(see attached pages) please advise/correct claim dependency.

Please Resolve

Thank You

CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

initials CA

RESPONSE

initials

09/758,775

PATENT

IN THE CLAIMS:

1-7. (Cancelled).

8-21. (Withdrawn from consideration in this application).

22. (Canceled).

1
23. (Currently Amended) The light valve of claim 22 ¹⁰~~42~~ wherein said liquid crystal cell is an LCoS cell.

2
24. (Currently Amended) The light valve of claim 22 ¹⁰~~42~~ wherein light incident to the light valve is between ~~400~~ 10° and ~~200~~ 20° off-axis.

3
25. (Currently Amended) The light valve of claim 23 ¹~~3~~ wherein light incident to the light valve is ~~450~~ 15° off-axis.

4
26. (Currently Amended) The light valve of claim 22 ¹⁰~~42~~ wherein said liquid crystal cell has a twist angle ranging from ~~400~~ 40° to ~~650~~ 65°.

5
27. (Original) The light valve of claim 26 ⁴ wherein said liquid crystal cell is in twisted nematic mode.

6
28. (Currently Amended) The light valve of claim 22 ¹⁰~~42~~ wherein the horizontal axis of said polarizer and the horizontal axis of said analyzer are ~~900~~ 90° apart.

7
29. (Canceled).

7
30. (Currently Amended) The light valve of claim 29 ¹⁰~~42~~ wherein said retarder has a retardation value centered at 530 nanometers and a retardation angle centered at ~~890~~ 89° in a red band of light.

09/758,775

PATENT

31. (Canceled).

8
32. (Currently Amended) The light valve of claim ~~31~~ 43 wherein said retarder has a retardation value centered at 460 nanometers and a retardation angle centered at 89° in a green band of light.

33. (Canceled).

9
34. (Currently Amended) The light valve of claim ~~33~~ 44 wherein said first retarder has a retardation value centered at 370 nanometers and a retardation angle centered at ~~890~~ 89° in a blue band of light.

35. (Withdrawn from consideration in this application).

36-41. (Canceled).

10
42. (New) A light valve for use in high contrast reflective microdisplays, comprising:

- a twisted nematic mode reflective liquid crystal cell;
- a color filter positioned to accept non-polarized light incident to the light valve;
- a linear polarizer positioned between said color filter and said liquid crystal cell to impart a polarization to the incident light;
- an analyzer positioned in the path of the light reflected by said liquid crystal cell; and
- a retarder positioned between said liquid crystal cell and said analyzer in the path of the light reflected by said liquid crystal cell, the retarder having a retardation value ranging from 430 nanometers to 630 nanometers to reduce ellipticity of the reflected light and a retardation angle ranging from 87.6° to 90.2° in a red band of light;